

FIG. 1

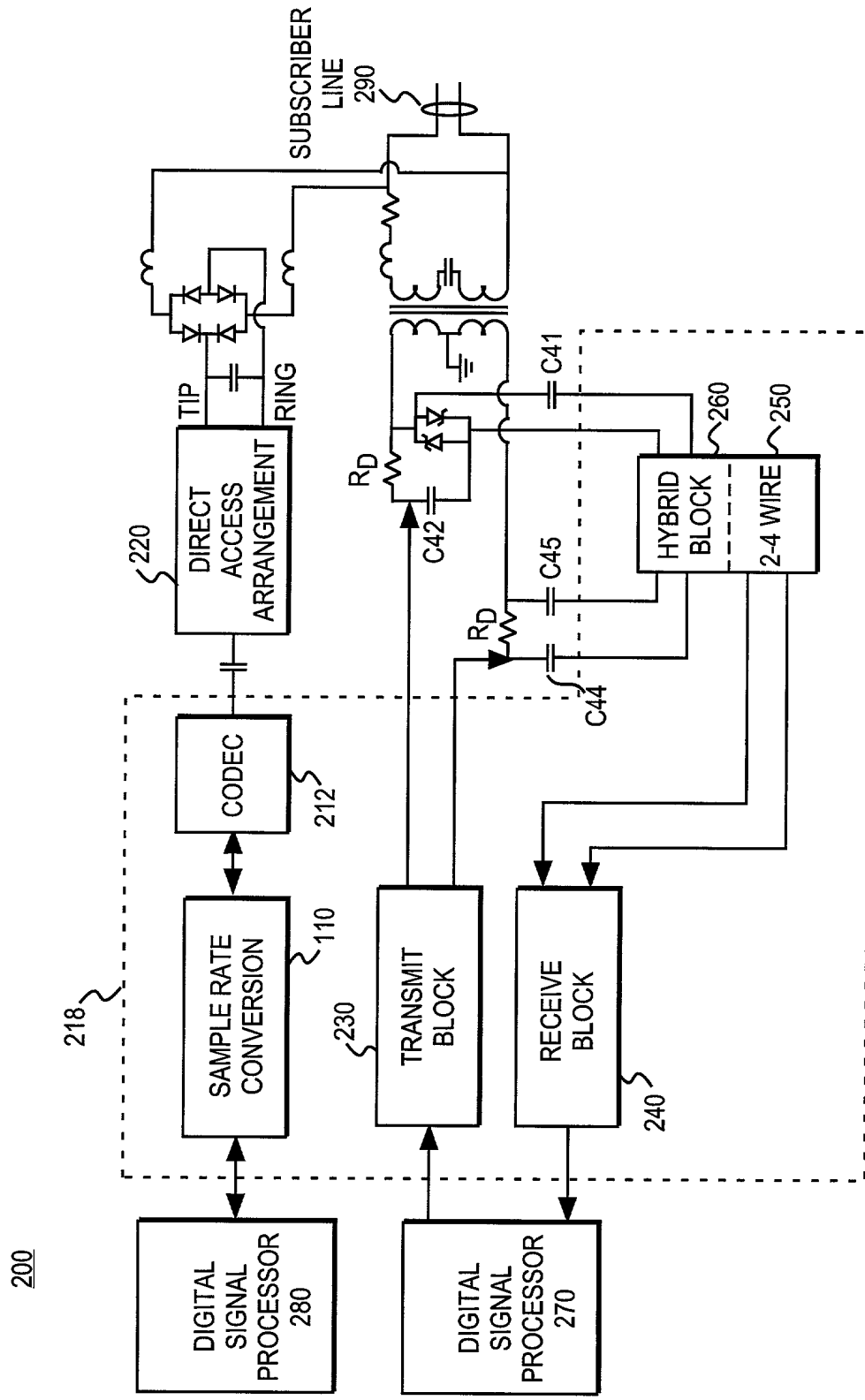


FIG. 2

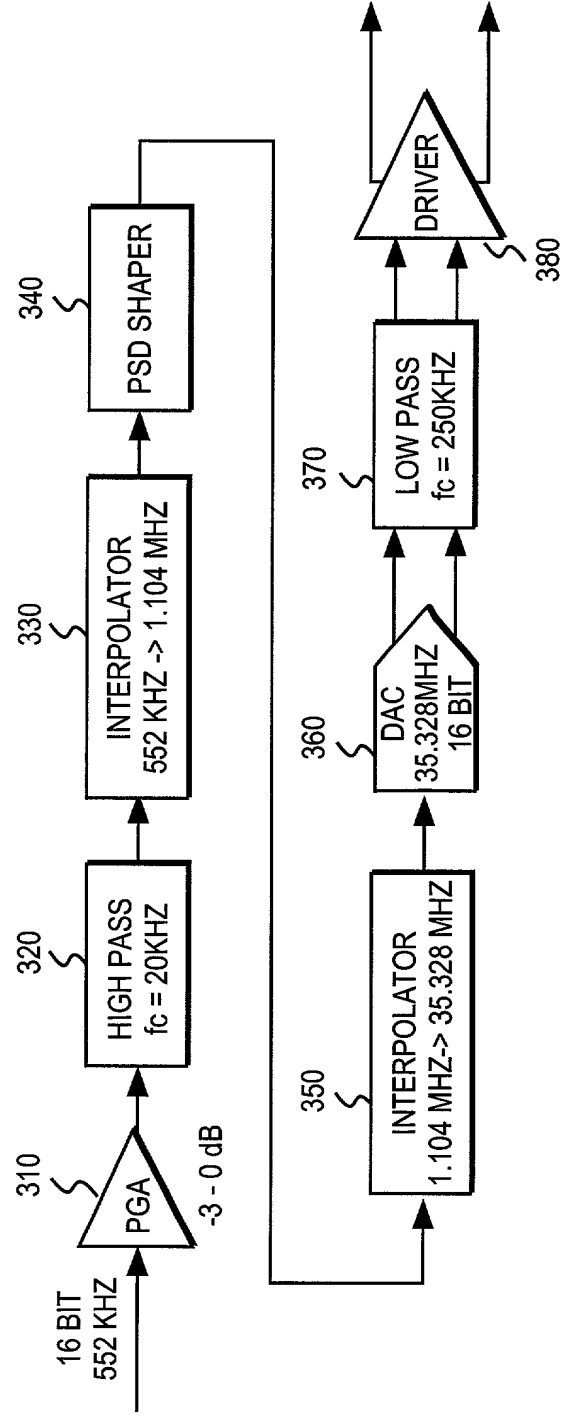


FIG. 3

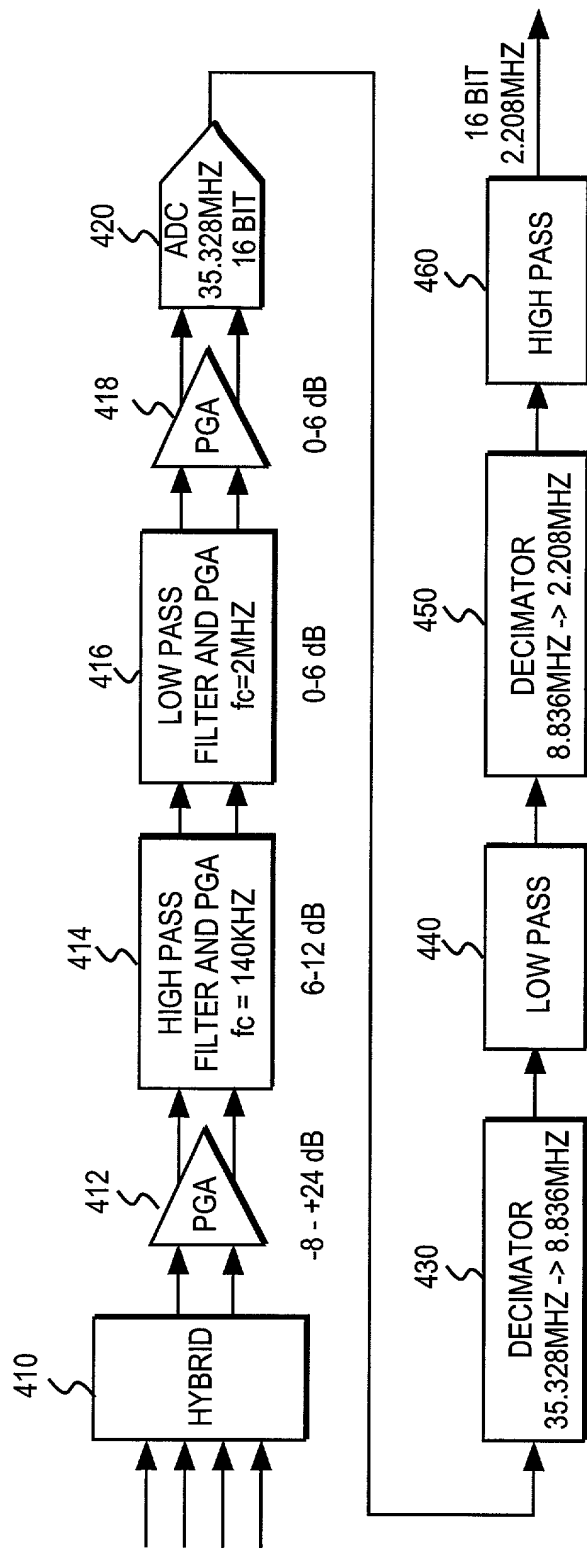


FIG. 4

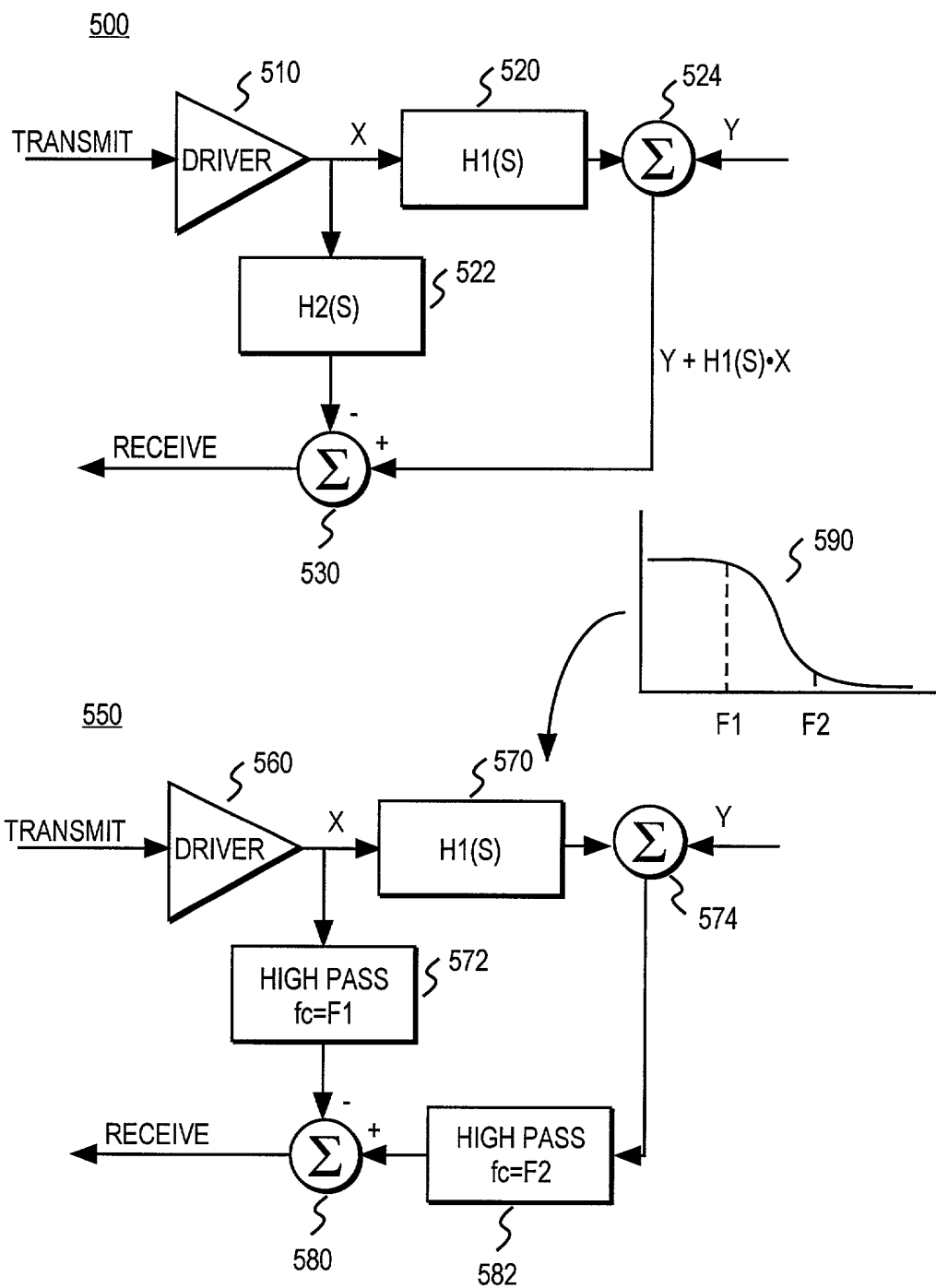


FIG. 5

FIG. 6 is a schematic diagram of a hybrid circuit 600. The circuit includes a driver 612, a hybrid path (HYBin) 620, a receive path (RXin) 620, and a hybrid output (HYBout) 620. The driver 612 is connected to the hybrid path (HYBin) 620 and the receive path (RXin) 620. The hybrid path (HYBin) 620 includes a variable resistor RP and a capacitor CG. The receive path (RXin) 620 includes a variable resistor RZ and a capacitor CR. The hybrid output (HYBout) 620 includes a variable resistor RZ and a capacitor CR. The circuit also includes a subscriber line Z(s) and a driver 612.

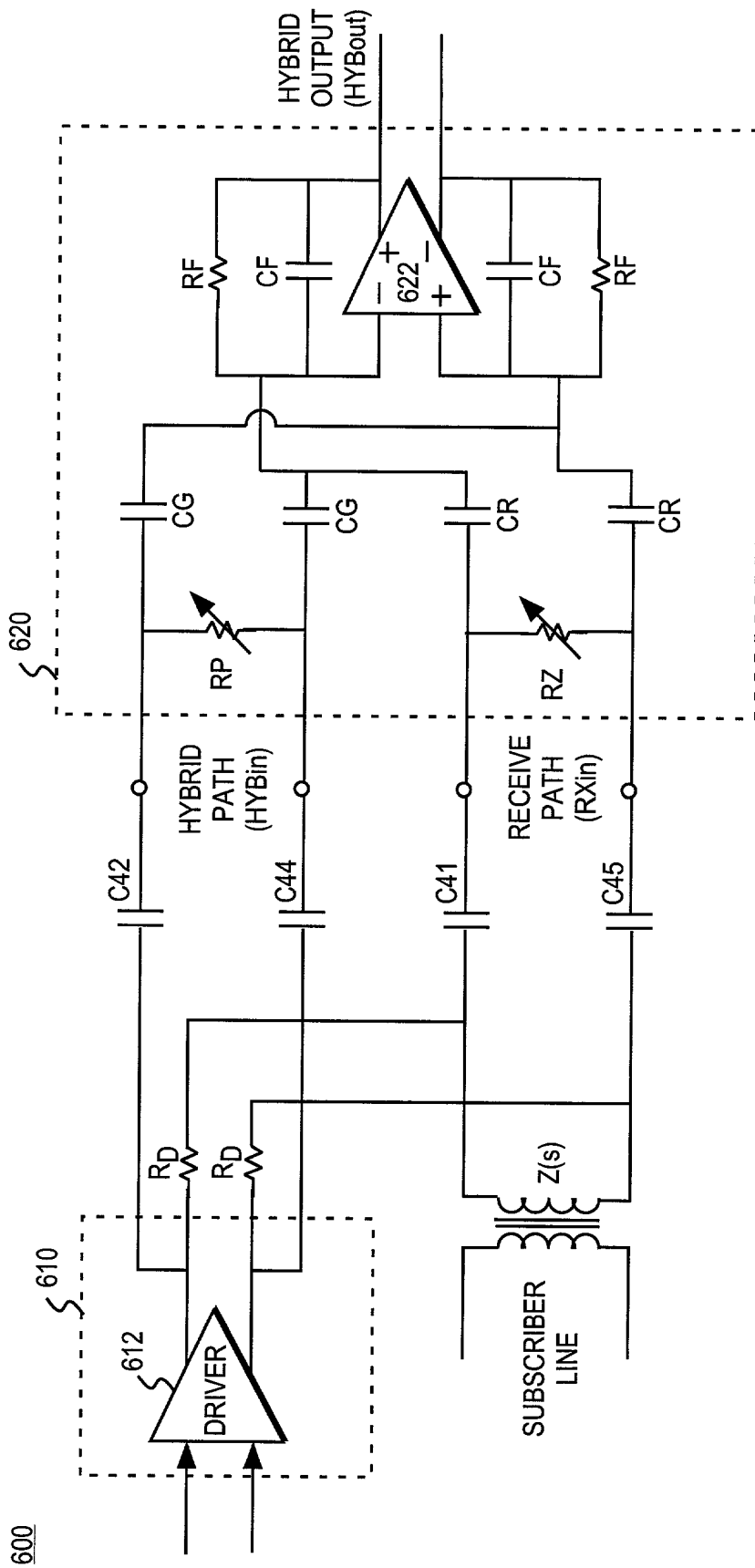


FIG. 6

700

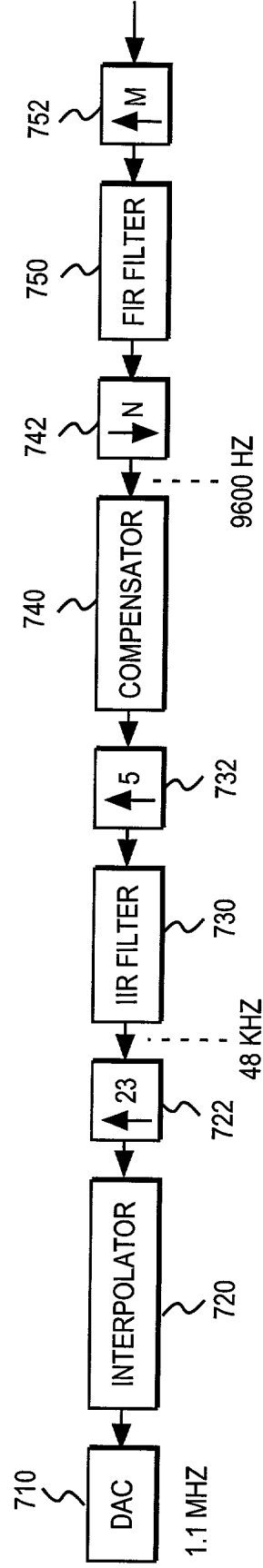


FIG. 7

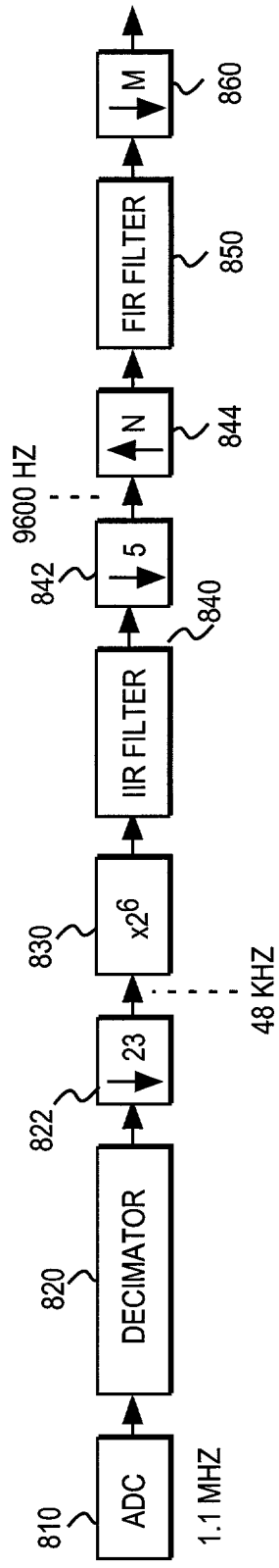


FIG. 8



900

A->D

D->A

$f_i$	M/N	OPT M/N	$f_{audio}$	N/M	N/M• $f_{audio}$
7200	8/6	16/12	9600	12/16	7200
8000	6/5	6/5	9600	5/6	8000
8229	7/6	14/12	9600	12/14	8228.57
8400	8/7	16/14	9600	14/16	8400
9000	16/15	16/15	9000	15/16	9000
9600	1/1	16/16	9600	16/16	9600
10,286	14/15	14/15	9600	15/14	10,285.71

FIG. 9

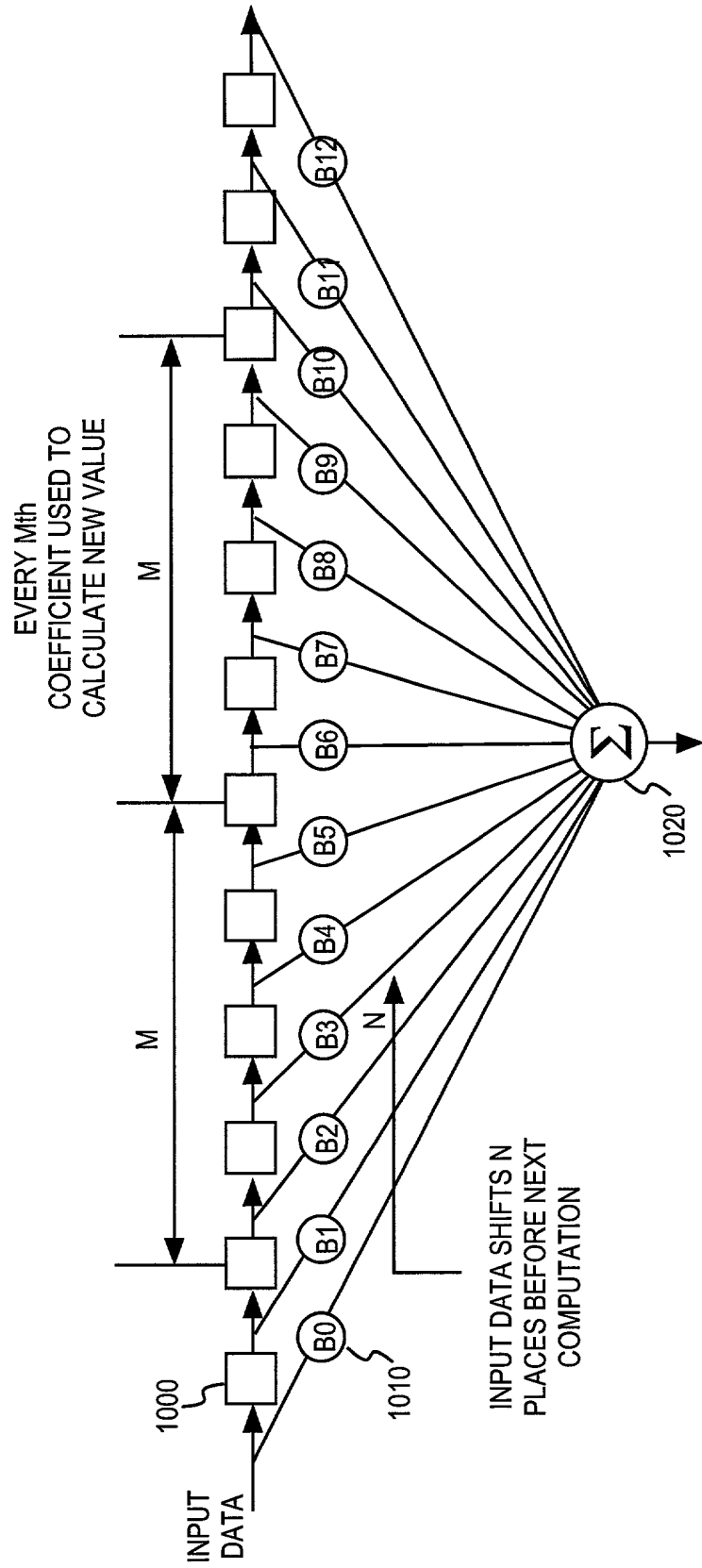


FIG. 10

1100

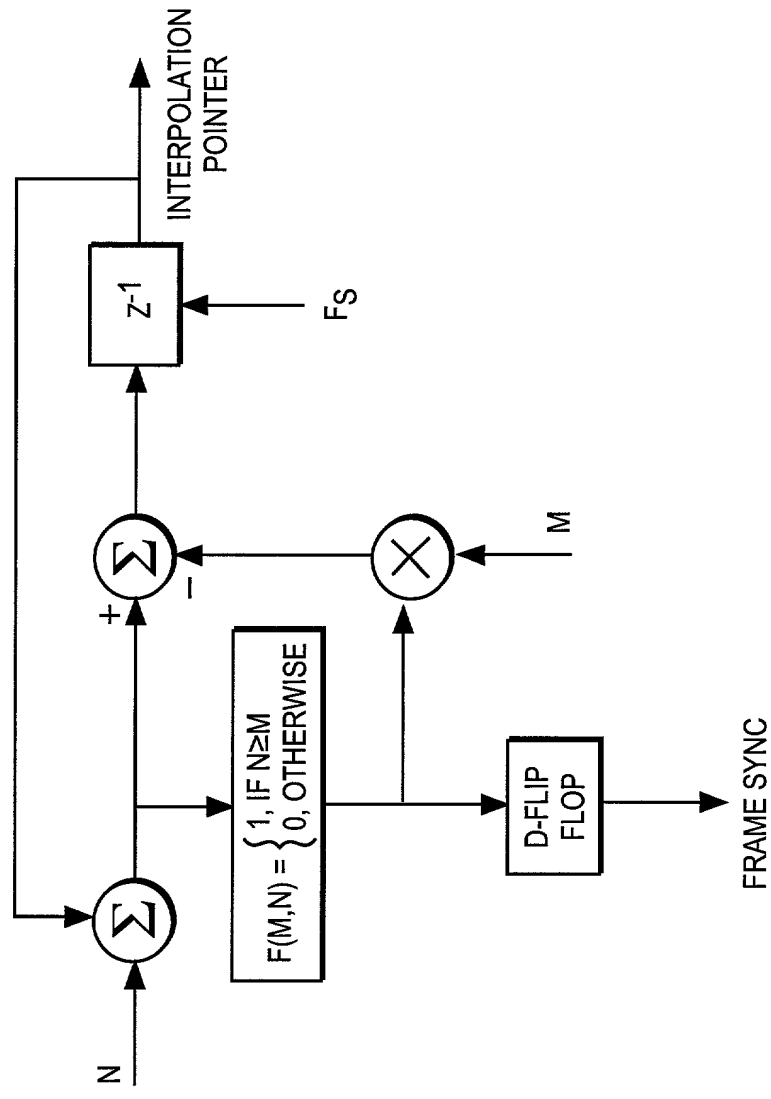


FIG. 11

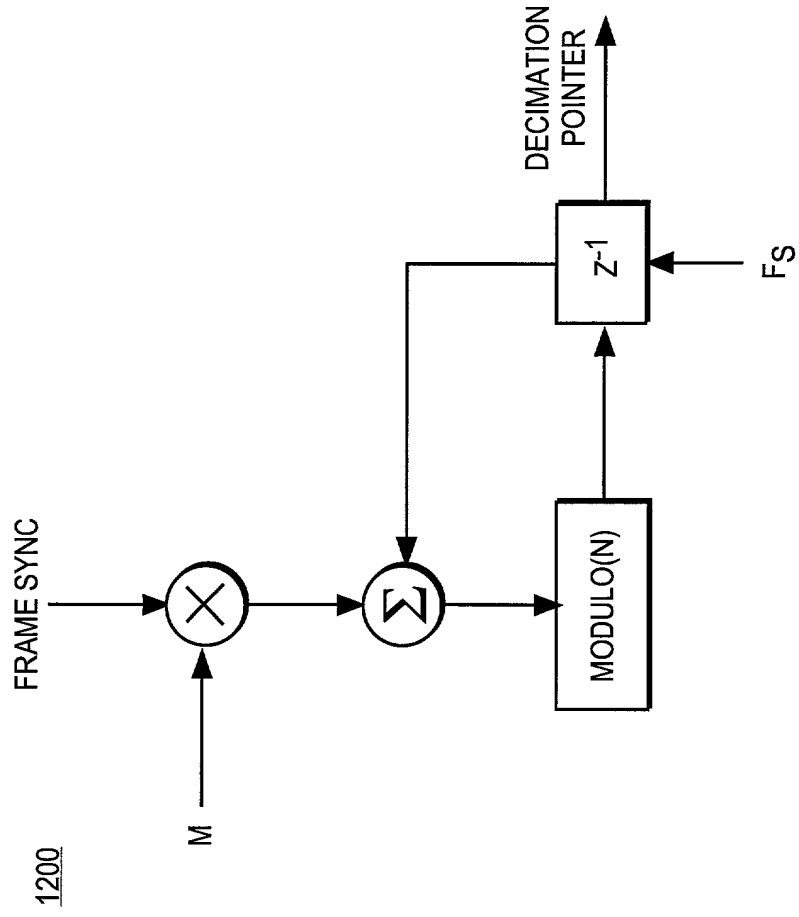


FIG. 12